## Stormwater Feature Classifications

Structure Classification	GPS Geometry	Feature	Other terms also frequently used (or components)	GPS Location
Inlet	Point	INLET	Catch basin, curb inlet, drop inlet, yard inlet, headwall, storm inlet, grate, bar screen, throat, edge drain, pipe entrance, shoulder or slot inlet.	Not all inlets have a manhole access. Some are simply grate inlets. When manhole is present, GPS the throat edge aligned with pavement edge of catch basin presumably at same manhole elevation.
Manhole	Point	MANHOLE	Manhole, barrel (cylindrical part between cone and shelf).	At center of manhole lid/cover. Manholes may be associated with a catch basin (Inlet). Do not GPS the manhole, but rather GPS the catch basin as an "Inlet."
Pipe I/O	Point	PIPEIO	Endwall, wingwall, discharge point, splash block, flare, apron, endwall, spillout, outlet apron, outfall. (Note: headwall is often misapplied term and headwall should be for an inlet or entrance). Drain pipe, conduit, main, pipe culvert, collection line, reinfomed concrete pipe, elliptical pipe, plastic pipe, vitrified clay pipe, corrugated metal pipe, corrugated steel pipe, cast iron pipe, and ductile steel pipe.	Typically the top of the wall or invert of the pipe is the GPS location. If no pipe present, then apron or spillway centroid elevation.
Culvert	Point	CLVTPT	Box culvert (single, double, triple,), bridge (culverts > 100 sq ft).	Culvert invert (in and out), if different from measurement at Inlet or Outlet.
Pond	Point	POND	Retention pond, detention pond, retention basin, infiltration pond, storage basin, sediment trap, dewatering basin, wet pond, dam, reservoir.	Approximate point of pond centroid. Either hand placed or measured.
Control	Point	CNTRLDE	Control structure associated with pond.	Locate at center of inlet control device or outer edge if very large structure.
Geodetic	Point		NGS or Project Survey Monument.	On marker location.
Blind Connection	Point	BLINDCN	Underground connection between two or more pipes and no surface feature is visible.	Hand-placed.
Node	Point	NODE	Point with unknown origin or destination (final disposition when feature is not found).	Hand-placed.
Stub	Point	STUB	Point with unknown origin or destination (interim results from incomplete pipe connection).	Hand-placed.
Pipe	Line	PIPE	Pipes created from Inlet, Pipe I/O, and Manhole points.	None.
Culvert	Line	CULVERT	Box culvert (single, double, triple,), bridge (culverts > 100 sq ft), created from connection of Culvert points.	None.

# **GPS Location Data File Content**

GPS Data Component	Units	Precision	Detailed Description	
Northing and Easting	Feet	Binary	Projected to Virginia State Plane Coordinates, North FIP Zone 4501, using NAD 1983 datum (adjusted for HARN 1991), in US Survey feet.	
Elevation	Feet	Binary	Elevation reading, National Geodetic Vertical Datum (NAVD88) of 1988 (MSL).	
Horizontal and Vertical Error (RMS)	Feet Binary		The relative horizontal and vertical positioning error in the projected coordinates based on 95% precision.	
Time and Date	Time/Date	Time/Date	The UTC time and date of the DGPS composite reading.	

	Data Source		Example: Drain pipe, concrete pipe, corrugated metal pipe						
SHP FIELD NAME	Auto	Manual	7 77 77 77 77 77 77 77 77 77 77 77 77 7						
	Input		Value/Example	Properties	Field Type	Comment			
FEATURE	X		PIPE	EXAMPLE	TEXT	FEATURE TYPE			
FCTID	х		AB1-AB2	EXAMPLE	TEXT	Post Processed Pipe ID - Combo of Upstream and Downstream FCTID			
DATE	х		07/03/2002 1:57:15 P	EXAMPLE	TEXT	Time and date of measurement			
UP_ID	x		AB1	EXAMPLE	TEXT	Upstream connecting Feature FCTID			
DN_ID	x		AB2	EXAMPLE	TEXT	Downstream connecting Feature FCTID			
PIPE_TYPE	~	Х	MENU		TEXT	Material Type			
_			RCP	Reinforced concrete					
			СМР	Corrugated metal					
			PVC	PVC					
			DIP	Ductile iron					
			CPP	Corrugated Plastic Pipe					
			UNK	Unknown					
PIPE_SHP		Х	MENU		TEXT	SHAPE OF PIPE			
		Α	CIRCULAR	Circular					
<del>                                     </del>			ELLIPTICAL	Elliptical	1				
<del>                                     </del>			BOX	Rectangular	1				
			ARCHED	Arched					
PIPE_DIAM		Х	24	EXAMPLE	INTEGER	PIPE DIAMETER IN INCHES			
WIDTH		X	32	EXAMPLE	INTEGER	PIPE WIDTH IN INCHES			
HEIGHT		X	24	EXAMPLE	INTEGER	PIPE HEIGHT IN INCHES			
UP DEPTH		X	3.95	EXAMPLE	INTEGER	DEPTH FROM RIM TO UPSTREAM INVERT IN FEET			
DN DEPTH		X	3.92	EXAMPLE	INTEGER	DEPTH FROM RIM TO DOWNSTREAM INVERT IN FEET			
UP_INV_COND		X	MENU	EXAMI EE	TEXT	GENERAL CONDITION OF INVERT AT UPSTREAM END OF PIPE			
OF_INV_COND		Х	GOOD	OK	ILAI	SENERAL CONDITION OF INVERT AT OF STREAM END OF FIFE			
<del>                                     </del>			CRUSHED	Crushed					
			WORN	Worn					
			CRACKED	Cracked					
			RUSTED	Rusted					
DN_INV_COND			MENU	Rusteu	TEXT	GENERAL CONDITION OF INVERT AT DOWNSTREAM END OF PIPE			
DN_INV_COND		Х	GOOD	OK	IEAI	SENERAL CONDITION OF INVERT AT DOWNSTREAM END OF FIFE			
<u> </u>			CRUSHED	Crushed					
			WORN	Worn					
			CRACKED	Cracked					
			RUSTED	Rusted					
REMARKS			KOSTED	Rusteu	TEXT	COMMENTS			
		Х		<u> </u>	ILXI	OSMMENTO			
Culvert	Data	Source	Example: Box culvert, bridges, pipes under driveways						
	Auto	Manual							
	Input	Input	Value/Example	Properties	Field Type	Comment			
FEATURE	Х		CULVERT	EXAMPLE	TEXT	FEATURE TYPE			
FCTID	Х		AB1-AB2	EXAMPLE	TEXT	Post Processed Pipe ID - Combo of Upstream and Downstream FCTID			
DATE	Х		07/03/2002 1:57:15 P	EXAMPLE	TEXT	Time and date of measurement			
UP_ID	Х		AB1	EXAMPLE	TEXT	Upstream connecting Feature FCTID			
DN_ID	Х		AB2	EXAMPLE	TEXT	Downstream connecting Feature FCTID			
PIPE_TYPE		Х	MENU		TEXT	Material Type			
			RCP	Reinforced concrete					
			CMP	Corrugated metal					
			PVC	PVC					
			DIP	Ductile iron					
			CPP	Corrugated Plastic Pipe					
			UNK	Unknown					
PIPE_SHP		Х	MENU		TEXT	SHAPE OF PIPE			
			CIRCULAR	Circular					
			ELLIPTICAL	Elliptical					
			BOX	Rectangular					
				1					
			ARCHED	Arched					
PIPE_DIAM		х	24	EXAMPLE	INTEGER	PIPE DIAMETER IN INCHES			
WIDTH		X X	24 32	EXAMPLE EXAMPLE	INTEGER	PIPE WIDTH IN INCHES			
			24	EXAMPLE					

Line Data Page 1

Inlet	Data	Source	Example: Curb inlet, Yard inlet,	Drop Inlet (may also include manhole access to inlet)		
	Auto	Manual		1		T
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment
FEATURE	Х		INLET	EXAMPLE	TEXT	FEATURE TYPE
FCTID	Х		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	X		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	X		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	X		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	X		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY	^	х	MENU	E70 WHI EE	TEXT	STATUS OF FEATRUE
INVERTOR		^	INSPECTED	Inspected	ILAI	ON TOO OF TEXTINGE
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible		
	_		BURIED	Buried		
			PAVED OVER			
				Paved Over		
A COLUDA OV			SURCHARGED	Surcharged	TEVE	ODG OD MAD COORDINATED
ACCURACY		Х	MENU	DED	TEXT	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		WHAT TYPE OF MUST
INL_TYPE		Х	MENU		TEXT	WHAT TYPE OF INLET
			CI	Curb inlet		
			YI	Yard inlet		
			DI	Grate/Drop inlet		
			MDI	Multi Grate/Drop inlet		
			BS	Bar screen		
			SHLDR SLOT	Shoulder Slot Inlet		
			CI&GRATE	Curb Inlet w/ Grate		
INL_NO_THR		х	1	EXAMPLE	INTEGER	NUMBER OF THROATS
DEPTH		Х	3.95	EXAMPLE	NUMERIC	TOP OF STRUCTURE TO FLOWLINE
BASIN_W		Х	4.0	EXAMPLE	NUMERIC	OVERALL STRUCTURE WIDTH
BASIN_L		Х	3.0	EXAMPLE	NUMERIC	OVERALL STRUCTURE LENGTH
CONSTRUCT		х	MENU		TEXT	MATERIAL OF FEATURE
			PRC	Precast		
			CONC	Field Concrete		
			BRK BLK	Brick/block		
			STN	Stone		
			CORR MET	Corrugated metal		
			PLASTIC	Plastic		
CONC_COND		Х	MENU		TEXT	CONDITION OF CONCRETE OF STRUCTURE
			OK	Hairline Creacks/Fractures		
			MAJOR CRACKS	Cracks Greater than 1/4"		
METL_COND		Х	MENU		TEXT	CONDITION OF METAL ON STRUCTURE
INCTE_COND		^	OK	OK (GOOD)	ILAI	
		1	SEVERE RUST	Severe Rust	<del>-  </del>	
CLEAN		Х	MENU MENU		TEXT	AMOUNT OF DEBRIS PRESENT
VLEAR		X	CLEAR	0% Debris	ILAI	, and street of the beat of th
		1	MAJOR DEBRIS	25-100% Debris		
COM_BMP		.,	MENU MENU	20-100 /0 Debits	TEXT	COMMERCIAL BMP PRESENT (includes oil and trash separators and/or flow weirs)
OO'N DINIE		Х	NO	No	ILAI	OOMINIETOTAL DIVIL LITEOLIAL (IIIOnnes oli alin fiasti separatois alin/oli ilow wells)
	_		YES	Yes		
EL ELOAT				162	TEVT	DEFINE IF ANY DEPOSITE IN FLOW
FL_FLOAT		Х	MENU	News	TEXT	DEFINE IF ANY DEPOSITS IN FLOW
			NONE	None		
DEMARKO			OIL SHEEN	Oil Sheen	TEV-	I COLUMNITURE
REMARKS		Х			TEXT	COMMENTS
PICTURE		x	484 4 189 484 9 185	EVANDIE	TEVT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.
. IO I SINE		^	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	

	Auto	Manual						
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment		
Manhole	e Data Source		Example: Access to commercial BMP or VDOT manhole that is not part of catch basin or curb inlet and paved over inlets					
Mannoio	Auto	Manual	Example: Access to commercial b	I V V V V V V V V V V V V V V V V V V V	T and paved over i			
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment		
FEATURE	X	pat	MANHOLE	EXAMPLE	TEXT	FEATURE TYPE		
FCTID	X		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF		
XCOORD	X		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT		
YCOORD	X		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT		
HEIGHT	×		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET		
DATE	X		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION		
INVENTORY	Χ	х	MENU	EXAMPLE.	TEXT	STATUS OF FEATRUE		
INVENTORT		X	INSPECTED	Inspected	ILAI	STATUS OF FEATROL		
			NOT FOUND	Not Found				
	-		NO ACCESS					
			BURIED	Not Accessible				
				Buried				
			PAVED OVER	Paved Over				
			SURCHARGED	Surcharged		ODO OD IMP COODDINATEO		
ACCURACY		Х	MENU		TEXT	GPS OR MAP COORDINATES		
			RTD	RTD				
			HAND PLACED	Hand Placed				
DEPTH		Х	3.95	EXAMPLE	NUMERIC	TOP OF STRUCTURE TO FLOWLINE		
CONSTRUCT		Х	MENU		TEXT	MATERIAL OF FEATURE		
			PRC	Precast				
			CONC	Field Concrete				
			BRK_BLK	Brick/block				
			STN	Stone				
			CORR MET	Corrugated metal				
			PLASTIC	Plastic				
CONC_COND		Х	MENU		TEXT	CONDITION OF CONCRETE OF STRUCTURE		
			ok	Hairline Creacks/Fractures				
			MAJOR CRACKS	Cracks Greater than 1/4"				
METL_COND		х	MENU		TEXT	CONDITION OF METAL ON STRUCTURE		
			ок	OK (GOOD)				
_			SEVERE RUST	Severe Rust				
CLEAN		Х	MENU		TEXT	AMOUNT OF DEBRIS PRESENT		
			CLEAR	0% Debris				
			MAJOR DEBRIS	25-100% Debris				
COM_BMP		Х	MENU		TEXT	COMMERCIAL BMP PRESENT (includes oil and trash separators and/or flow weirs)		
			NO	No				
			YES	Yes				
FL_FLOAT		х	MENU		TEXT	DEFINE IF ANY DEPOSITS IN FLOW		
			NONE	None				
			OIL SHEEN	Oil Sheen	1			
REMARKS		х			TEXT	COMMENTS		
PICTURE		x	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.		

	Auto	Manual								
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment				
Pipe I/O		Source	Pipe linlet or Pipe Outlet Example: Endwall, Headwall, outfall							
<del></del>	Auto	Manual								
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment				
FEATURE	Х	mpac	PIPEIO	EXAMPLE	TEXT	FEATURE TYPE				
FCTID	X		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF				
XCOORD	X		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT				
YCOORD	X		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT				
HEIGHT	X		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET				
DATE	X		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION				
INVENTORY	^	Х	MENU	E70 WII EE	TEXT	STATUS OF FEATRUE				
INVENTORT		^	INSPECTED	Inspected	TEXT	OTATOO OF FEATROE				
			NOT FOUND	Not Found						
			NO ACCESS	Not a Councilla Not Accessible						
			BURIED	Buried						
			PAVED OVER	Paved Over						
			SURCHARGED	Surcharged						
ACCURACY			MENU	Surchargeu	TEXT	GPS OR MAP COORDINATES				
ACCURACT		Х	RTD	RTD	IEAI	GF3 OR WAF COORDINATES				
			HAND PLACED	Hand Placed						
DEDTIL					NUMERIO	TOD OF STRUCTURE TO SLOWING				
DEPTH		Х	3.95	EXAMPLE	NUMERIC	TOP OF STRUCTURE TO FLOWLINE  MATERIAL OF FEATURE				
CONSTRUCT		Х	MENU		TEXT	MATERIAL OF FEATURE				
			PRC	Precast						
			CONC	Field Concrete						
			BRK_BLK	Brick/block						
			STN	Stone						
			CORR MET	Corrugated metal						
			PLASTIC	Plastic						
RIP_RAPCND		X	MENU		TEXT	RIP RAP NOT PRESENT OR CONDITION OF				
			NOT PRESENT	Not present						
			GOOD	Good						
			NEEDS REPAIR	Needs repair						
CONC_COND		X	MENU		TEXT	CONDITION OF CONCRETE OF STRUCTURE				
			OK	Hairline Creacks/Fractures						
			MAJOR CRACKS	Cracks Greater than 1/4"						
			NONE	No Concrete on Structure						
METL_COND		Х	MENU		TEXT	CONDITION OF METAL ON STRUCTURE				
			ок	OK (GOOD)						
			SEVERE RUST	Severe Rust						
CLEAN		Х	MENU		TEXT	AMOUNT OF DEBRIS PRESENT				
			CLEAR	0% Debris						
			MAJOR DEBRIS	25-100% Debris						
FL_FLOAT		Х	MENU		TEXT	DEFINE IF ANY DEPOSITS IN FLOW				
			NONE	None						
			OIL SHEEN	Oil Sheen						
REMARKS		Х			TEXT	COMMENTS				
DICTURE		.,				INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG				
PICTURE		Х	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT					

	Auto	Manual								
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment				
Culvert	Data	Source	Example: Box culvert, bridges, driveways							
	Auto	Manual								
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment				
FEATURE	х		CULVTPT	EXAMPLE	TEXT	FEATURE TYPE				
FCTID	х		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF				
XCOORD	х		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT				
YCOORD	х		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT				
HEIGHT	х		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET				
DATE	х		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION				
INVENTORY		Х	MENU		TEXT	STATUS OF FEATRUE				
			INSPECTED	Inspected						
			NOT FOUND	Not Found						
			NO ACCESS	Not Accessible						
			BURIED	Buried						
			PAVED OVER	Paved Over						
	1		SURCHARGED	Surcharged						
ACCURACY		х	MENU	, and the second	TEXT	GPS OR MAP COORDINATES				
			RTD	RTD						
			HAND PLACED	Hand Placed						
CULV_OPEN		Х	MENU		TEXT	NUMBER OF BARRELS OR PIPES				
			SINGLE	Single						
	+		DOUBLE	Double						
	+		TRIPLE	Triple						
	-		QUAD	Quadrouple						
	-		FIVE	Five						
	+		SIX	Six						
CONSTRUCT		X	MENU	OIX .	TEXT	MATERIAL OF FEATURE				
CONTROCT		۸	PRC	Precast	IEAI	WATERWAY OF FEMORE				
	+		CONC	Field Concrete						
	+		BRK_BLK	Brick/block						
	_		STN STN	Stone						
	+		CORR MET	Corrugated metal						
	_		PLASTIC	Plastic						
CONC_COND			MENU	Flastic	TEXT	CONDITION OF CONCRETE OF STRUCTURE				
OCHO_COND		Х	OK	Hairline Creacks/Fractures	ILAI	CONDITION OF CONONLIE OF STRUCTURE				
			MAJOR CRACKS	Cracks Greater than 1/4"						
METI COND			MENU	CIACKS GIEALEI LIIAII 1/4	TEXT	CONDITION OF METAL ON STRUCTURE				
METL_COND		Х	OK	OK (COOD)	IEXI	CONDITION OF WEIAL ON STRUCTURE				
			SEVERE RUST	OK (GOOD) Severe Rust						
CLEAN				Severe Rust	TEVT	AMOUNT OF DEPOIS POSSESS				
CLEAN		Х	MENU	ON Dahaia	TEXT	AMOUNT OF DEBRIS PRESENT				
			CLEAR	0% Debris						
EL EL 0.4 T			MAJOR DEBRIS	25-100% Debris		DEFINE IF ANY DEPOSITO IN FLOW				
FL_FLOAT		Х	MENU	N.	TEXT	DEFINE IF ANY DEPOSITS IN FLOW				
			NONE	None						
			OIL SHEEN	Oil Sheen						
REMARKS		Х			TEXT	COMMENTS				
PICTURE		х	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.				
			AB I_I.JPG, AB I_Z.JPG	EAMIVIFLE	IEAI					

	Auto	Manual				
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment
Pond		Source		on pond, wet pond, dry pond, dam, reservoir	1.10.0.1900	
	Auto	Manual			1	
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment
FEATURE	Х		POND	EXAMPLE	TEXT	FEATURE TYPE
FCTID	Х		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	X		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	X		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	X		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	X		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY	_ ^	Х	MENU		TEXT	STATUS OF FEATRUE
		^	INSPECTED	Inspected		on the entrement
	-		NOT FOUND	Not Found	+	
			NO ACCESS	Not Accessible	+	
			BURIED	Buried	_	
	-		PAVED OVER	Paved Over		
	_		SURCHARGED			
4 0 0 U D 4 0 V				Surcharged	TEVE	ODG OD MAD COODDINATES
ACCURACY		Х	MENU	DTD	TEXT	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
POND_TYPE		Х	MENU		TEXT	TYPE OF POND
			DRY	Dry Pond		
			WET	Wet Pond		
			WETLAND	Wetland		
			UNDR GRND DET	Underground Detention Vault (usually with Commercial BMP Manholes)		
POND_NO_IN		Х	1	EXAMPLE	INTEGER	NO OF STRUCTURES WITH FLOW INTO POND
PND_NO_OUT		Х	1	EXAMPLE	INTEGER	NO OF STRUCTURES WITH FLOW OUT OF THE POND
POND_NO_CN		X	1	EXAMPLE	INTEGER	NUMBER OF CONTROL DEVICES AT POND
CLEAN		X	MENU		TEXT	AMOUNT OF DEBRIS PRESENT
		~	CLEAR	0% Debris		
			MAJOR DEBRIS	25-100% Debris	+	
REMARKS		х	III IOON DEDINO	20 100 /0 202110	TEXT	COMMENTS
PICTURE		x	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.
Control		_				
Control		Source	Example: Control structure on rete	ention pond, riser, weir, overflow, spillway, Emergency Overflow		
SHP FIELD NAME	Auto Input	Manual Input	Value/Example	Properties	Field Type	Comment
FEATURE	Х	mpac	CNTRLDE	EXAMPLE	TEXT	FEATURE TYPE
FCTID	X		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	X		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	_		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	Х		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
	Х			EXAMPLE		DATE AND TIME OF ATTRIBUTION
DATE	Х		07/03/2002 1:57:15 P	EXAMPLE	TEXT	
INVENTORY		Х	MENU		TEXT	STATUS OF FEATRUE
			INSPECTED	Inspected		
			NOT FOUND	Not Found		
			NO ACCESS	Not Accessible	1	
			BURIED	Buried	1	
			PAVED OVER	Paved Over		
			SURCHARGED	Surcharged		
ACCURACY		Х	MENU		TEXT	GPS OR MAP COORDINATES
			RTD	RTD		
			HAND PLACED	Hand Placed		
REMARKS		Х			TEXT	COMMENTS
DISTURE						INTERIOR and EXTERIORE PHOTOS TAKEN ARE RENAMED WITH 'FCTID'_1.JPG, 'FCTID'_2.JPG.
PICTURE		х	AB1_1.JPG, AB1_2.JPG	EXAMPLE	TEXT	

	A 4 -	Manual				
SHP FIELD NAME	Auto	Manual	Value/Example	Properties	Field Type	Commont
SHET ILLED NAME	Input	Input	value/Example	rroperties	Field Type	Comment
<b>Geodetic Control</b>	Data	Source	Example: City. County or NGS Ge	odetic Control for QA/QC Purposes		
	Auto	Manual	, , , , , , , , , , , , , , , , , , ,			
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment
FEATURE	Х		СНКРТ	EXAMPLE	TEXT	FEATURE TYPE
FCTID	Х		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	X		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	X		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	X		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	x		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		Х	INSPECTED	EXAMPLE	TEXT	ALL GEODETIC CONTROL WILL BE "INSPECTED"
REMARKS		Х			TEXT	NAME OF GEODETIC POINT ENTERED IN REMARKS
Blind						
*						
Connection	Data	Source	Example: point were two pipes me	et under ground with non feature		
	Auto	Manual				
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment
FEATURE	Х		BLINDCN	EXAMPLE	TEXT	FEATURE TYPE
FCTID	Х		AB1	EXAMPLE	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	Х		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	Х		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	Х		252.1	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	Х		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY		Х	NOT FOUND	EXAMPLE	TEXT	ALL BLIND CONNECTIONS ARE "NOT FOUND"
REMARKS		Х			TEXT	COMMENTS
Node	Data	Source	Example: point with unkown origin	or destination		
	Auto	Manual	Zampio. point with amount origin			
SHP FIELD NAME	Input	Input	Value/Example	Properties	Field Type	Comment
FEATURE	Х	IIIput	NODE	EXAMPLE	TEXT	FEATURE TYPE
FCTID	X		AB1	EXAMPLE .	TEXT	FEATURE ID WITH THE FIRST TWO CHARACTERS THE INITIALS OF THE CREW CHIEF
XCOORD	X		11807002.78	EXAMPLE	NUMERIC	EASTING IN STATE PLANE US SURVEY FOOT
YCOORD	×		7059990.72	EXAMPLE	NUMERIC	NORTHING IN STATE PLANE US SURVEY FOOT
HEIGHT	X		0.0	EXAMPLE	NUMERIC	RTD VERTICAL IN FEET
DATE	X		07/03/2002 1:57:15 P	EXAMPLE	TEXT	DATE AND TIME OF ATTRIBUTION
INVENTORY	^	X	NOT FOUND	EXAMPLE	TEXT	ALL NODES ARE "NOT FOUND"
REMARKS		X			TEXT	COMMENTS
		^				